

(FILE 'HOME' ENTERED AT 15:33:28 ON 19 JUL 2005)

FILE 'HCAPLUS, WPIX, JAPIO, JICST-EPLUS' ENTERED AT 15:34:55 ON 19 JUL 2005

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L1      70867  S    (POLYMER? OR COPOLYMER? OR MONOMER? OR
                HOMOPOLYMER? OR ORGANIC OR PLASTIC OR THERMOPLASTIC OR
L2      68272  S    (EXPOS#### OR SURFACE) (3A) (AROMATIC OR
                PHEN### OR BENZ#### OR RING OR CYCLIC OR HETEROCYCLIC OR
                ARYL###)
L3      129144 S    (CRYST##### OR POLYCRYST#####) (3A) (POLY
                MER? OR COPOLYMER? OR MONOMER? OR HOMOPOLYMER? OR ORGANIC OR
                PLASTIC OR THERMOPLASTIC OR THERMOSET? OR ORGANIC)
L4      27030  S    SEMICONDUCT##### (3A) (POLYMER? OR COPOLYMER
                ? OR MONOMER? OR HOMOPOLYMER? OR ORGANIC OR PLASTIC OR
                THERMOPLASTIC OR THERMOSET? OR ORGANIC)
L5      64201  S    (CRYST##### OR POLYCRYST#####) (3A)
                SEMICONDUCT#####
L6      110571 S    (EXPOS#### OR SURFACE) (3A) (INSULAT#####
                OR DIELEC#####)
L7      2      S    L1 AND L2 AND L3 AND L4 AND L5 AND L6
                D TI 1-2
                D ALL 1
                D MAX 2
L8      2      S    L1 AND L2 AND L3 AND L4 AND L5
L9      2      S    L1 AND L2 AND L3 AND L4 AND L6
L10     2      S    L1 AND L2 AND L3 AND L4
L11     7      S    L1 AND L2 AND L3
L12     23     S    L4 AND L5 AND L6
L13     3      S    L2 AND L3 AND L4
L14     605    S    L3 AND L4 AND L5
L15     49     S    L1 AND L3 AND L5
L16     5      S    L2 AND L4 AND L6
L17     635    S    (L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR
                L14 OR L15 OR L16) NOT L7
L18     60     S    L17 AND ?THIOPHEN?
L19     26     S    L17 AND THIOPHEN?
L20     5      S    L17 AND THIEN?
L21     0      S    L17 AND BITHIEN?
L22     0      S    L17 AND TRITHIEN?
L23     4      S    L17 AND BITHIOPHEN?
L24     3      S    L17 AND DITHIOPHEN?
L25     0      S    L17 AND TRITHIOPHEN?
L26     0      S    L17 AND TETRATHIOPHEN?
L27     0      S    L17 AND PENTATHIOPHEN?
L28     1      S    L17 AND HEXATHIOPHEN?
L29     59     S    (L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR
                L24 OR L25 OR L26 OR L27 OR L28) AND (CRYST##### OR
                POLYCRYST#####) (5A) SEMICOND#####
L30     7      S    L17 AND METHACRYL?
L31     5      S    L17 AND MOIETY
L32     2      S    L29 AND (ORGANIC OR POLYMER?) (5A) (DIELEC###
                ####)
L33     27     S    (L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR

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L26 OR L27 OR L28) OR (L30 OR L31 OR L32)
 D TI 1-27
 L34 5 S (L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR
 L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR
 L33) AND POLYCRYST?(5A) SEMICOND#####
 L35 5 S L34 NOT L7
 D TI 1-5
 D ALL 1-5
 L36 3 S DIELEC?(8A) (AROMATIC OR BENZ##### OR
 PHEN##### OR ARYL#### OR RING## OR CYCLIC) AND (L8 OR L9 OR
 L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR
 L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR
 L28 OR L29 OR L30 OR L31 OR L32 OR L33)
 L37 2 S L36 NOT (L35 OR L7)
 D TI 1-2
 D ALL 1-2

FILE 'REGISTRY' ENTERED AT 15:54:54 ON 19 JUL 2005

L38 305504 S THIOPHEN?
 L39 239408 S L38 AND (METHYL? OR ETHYL? OR PROPYL? OR
 BUTYL? OR PENTYL? OR HEXYL? OR HEPTYL? OR OCTYL? OR NONYL? OR
 DECYL? OR UNDECYL? OR DODECYL? OR CETYL?)
 L40 12504 S L39 AND (QUATERTHIO? OR HEXYLPHENYL? OR
 TERTHIO? OR PENTATHIOPHEN? OR BITHIOPHEN? OR NAPHTHALEN?)
 L41 5 S (VINYLPHEN? OR VINYL PHEN#####) AND
 (HYDROXYETH? OR HYDROXYETHYL?) AND CO AND 2 AND METHAC?
 D IDE 1-5
 L42 8 S (VINYLPHEN? OR VINYL PHEN#####) AND
 (HYDROXYETH? OR HYDROXYETHYL?) AND METHAC?
 L43 3214 S TERTHIOPHEN?
 L44 84 S TRITHIOPHEN?
 L45 13693 S L40 OR L43 OR L44
 L46 10472 S METHACRYL? AND (VINYLPHEN? OR HYDROXYETH?)

FILE 'HCAPLUS' ENTERED AT 16:05:07 ON 19 JUL 2005

L47 65 S (L41 OR L42)
 L48 323 S ((L41 OR L42) OR L46) (L) (DIELEC##### OR
 INSULAT#####)

FILE 'HCAPLUS' ENTERED AT 16:05:28 ON 19 JUL 2005

L49 65 S (L41 OR L42)
 L50 168 S ((L41 OR L42) OR L46) (L) AROMATIC
 L51 1162 S ((L41 OR L42) OR L46) (L) (FUNCTIONAL#####
 OR GROUPS OR SUBSTITUENTS OR SUBSTITUTED OR ARYL#####)
 L52 221 S L45(L) (CRYST##### OR POLYCRYST#####
 OR GRAIN###)
 L53 124 S L45(L) SEMICOND#####
 L54 160 S L45(L) (TRANSISTOR OR FET OR MOSFET OR TFT
 OR MICROELECTRONIC)
 L55 20 S L52 AND (L53 OR L54)
 L56 1 S (L47 OR L48 OR L49 OR L50 OR L51) AND L55
 L57 1311 S (L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR
 L53 OR L54 OR L55) AND (L50 OR L51)
 L58 440 S (L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR

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L59      0 S L53 OR L54 OR L55) AND (L52 OR L53 OR L54)
L60     224 S (L57 OR L58) AND (SEMICONDUCT##### OR
EXPOS####(4A)AROMATIC OR POLYCRYST?)
L61     77 S L60 AND ((L41 OR L42 OR L43 OR L44))
L62     19 S L60 AND L46
L63      2 S L61 AND L62
L64      1 S L63 NOT L56
D ALL HITSTR
L65      3 S (L40 OR L41 OR L42 OR L43 OR L44 OR L45 OR
L46) AND EXPOS####(4A)AROMATIC
L66     11 S SEMICOND##### AND EXPOS####(4A)AROMATIC
L67    1803 S SEMICOND##### AND EXPOS####(8A)DIELEC#####
##
L68    2997 S EXPOS####(8A)DIELEC#####
L69    2721 S EXPOS####(8A)AROMATIC##
L70    2996 S EXPOS####(8A)DIELEC#####
L71      3 S L68 AND L69 AND L70
L72     12 S (L66 OR L71) NOT (L64 OR L56)
D ALL TOT
L73    3416 S AROMATIC(6A)SURFACE
L74    1485 S AROMATIC(6A)DIELEC#####
L75   13708 S SURFACE(6A)DIELEC#####
L76     12 S L73 AND L74 AND L75
L77     12 S L76 NOT (L72 OR L64 OR L56)
L78      0 S (L46 OR ?METHACRYL?) AND L77
L79      0 S (?THIOPHEN? OR ?THIEN?) AND L77
D L77 ALL TOT
L80     13 S ((L41 OR L42) OR L46) AND (L40 OR (L43 OR
L44 OR L45))
L81     11 S L80 NOT (L77 OR L72 OR L64 OR L56)

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FILE 'HCAPLUS' ENTERED AT 10:53:56 ON 19 JUL 2005

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L1      1 S   US20050093031/PN
L2      SEL PLU=ON L1 1- RN :      24 TERMS
L3      SEL PLU=ON L1 1- NCL ECLA FTERM IC :      42 TERMS
L4      343954 S   L2
L5      20405 S   L3
L6      5439 S   L4 AND L5
L7      27609 S   (EXPOS##### OR SURFACE) (5A) (AROMATIC#####
OR ARYL### OR BENZ##### OR PHENYL#####)
L8      1124 S   (L4 OR L5) AND L7
L9      4325 S   (EXPOS##### OR SURFACE) (5A) (GROUP OR
SUBSTIT#####) AND (L4 OR L5)
L10     5250 S   (L8 OR L9)
L11     211 S   L10 AND (POLYSI? OR POLYCRYST? OR POLY
CRYST#####)
L12     3 S   L10 AND POLY(W) (SI OR SILICON)
L13     0 S   L10 AND POLY LAYER
L14     3023 S   (L4 OR L5) AND POLY(W) (SI OR SILICON)
L15     47 S   (L4 OR L5) AND POLY LAYER
L16     24067 S   (L4 OR L5) AND (POLYSI? OR POLYCRYST? OR
POLY CRYST#####)
L17     5988 S   ORGANIC(2A)SEMICONDUCT#####
L18     1726 S   L6 AND (L7 OR L8 OR L9 OR L10 OR L11 OR
L12 OR L13 OR L14 OR L15 OR L16 OR L17)
L19     92 S   L18 AND L17
L20     1637 S   L18 AND (L14 OR L15 OR L16)
L21     9 S   L18 AND (L7 OR L8 OR L9)
L22     8 S   L19 AND L20
L23     209 S   L4 AND (L7 OR L8 OR L9) AND (L11 OR L12 OR
L13 OR L14 OR L15 OR L16)
L24     2 S   L23 AND L17
L25     20 S   L23 AND SEMICOND#####
L26     57 S   L23 AND ORGANIC
L27     78 S   (L11 OR L15 OR L19 OR (L23 OR L24 OR L25
OR L26)) AND (DIELEC##### OR INSULAT#####) (5A) (FILM OR
?COAT? OR ?LAYER? OR MEMBRAN#####)
L28     0 S   L11 AND L15
L29     2 S   L11 AND L19
L30     20 S   L11 AND L25
L31     57 S   L11 AND L26
L32     0 S   L15 AND L19
L33     0 S   L15 AND L26
L34     34 S   L12 OR (L21 OR L22) OR L24 OR L25 OR (L29
OR L30)
L35     1 S   L26 AND DIELEC?
L36     34 S   (L34 OR L35)
L37     52 S   L27 AND DIELEC?
L38     5 S   L27 AND DIELEC?/TI
L39     36 S   (L34 OR L35 OR L36) OR L38
L40     59 S   (L11 OR L15 OR L19 OR (L23 OR L24 OR L25
OR L26)) AND DIELEC#####
L41     133 S   (L11 OR L15 OR L19 OR (L23 OR L24 OR L25
OR L26)) AND (GROUPS OR SUBSTITUENTS OR FUNCTIONAL)
L42     5 S   L40 AND L41
L43     6 S   (L11 OR L15 OR L19 OR (L23 OR L24 OR L25

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      OR L26)) AND DIELEC#####/TI
L44      38 S (L38 OR L39) OR (L42 OR L43)
L45      37 S L44 AND L4
L46      17 S L44 AND L5
L47      38 S (L45 OR L46)
      D ALL HITSTR TOT
L48      14433 S EXPOS#####(4A) (BOND OR GROUP OR FUNCTIONAL
      OR SUBSTIT#####)
L49      36648 S EXPOS#####(4A) SURFACE
L50      50054 S SURFACE(4A) (BOND OR GROUP OR FUNCTIONAL OR
      SUBSTIT#####)
L51      340 S L48 AND L49 AND L50
L52      340 S (L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10
      OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19
      OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR L28
      OR L29 OR L30 OR L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR L37
      OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44 OR L45 OR L46
      OR L47 OR L48 OR L49 OR L50) AND L51
L53      24 S L52 AND SEMICONDUCT#####
L54      2 S L52 AND DIELEC#####
L55      24 S (L53 OR L54) NOT L47
L56      3 S L55 AND L4
      D ALL HITSTR TOT
L57      21 S L55 NOT L56
L58      2 S L57 AND (BENZ##### OR ARYL##### OR
      ?CYCLIC? OR RING OR PHEN##### OR AROMATIC?)
L59      SEL PLU=ON L58 1- RN : 8 TERMS
L60      34248 S L59
L61      2 S L58 AND L60
      D ALL HITSTR TOT
L62      2 S L52 AND ORGANIC(2A) SEMICOND?
L63      0 S L62 NOT (L61 OR L56 OR L47)
L64      71 S ORGANIC SEMICOND? AND DIELEC? AND L4
L65      65 S L64 NOT (L61 OR L56 OR L47)
L66      18 S L65 AND SURFACE
L67      6 S L65 AND (GROUPS OR SUBSTITUENTS OR
      REACTIVE)
L68      21 S (L66 OR L67)

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